UTILITY PATENT APPLICATION TRANSMITTAL

(only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility potent application contents.

Fee Transmittal Form (e.g., PTO/SB/17)

Applicant claims small entity status. See 37 CFR 1.27.

(Submit an original, ond a duplicate far fee pracessing)

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Approved for use through 07/31/2006. OMB 0631-0032
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U.S. Patent and Trademat Office. U.S. DEPARTMENT OF COMMEND
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of infiguration unless at displays a valid Office control number, Attorney Docket No. 1875.138000F First Inventor Ralph Duncan An Integrated VCO Having an Improved Tuning Range over Process and Temperature Variations (as amended) Title Express Mail Label No

Mail Stop Patent Application Commissioner for Patents

Alexandria VA 22313-1450

7. CD-ROM or CD-R in duplicate, large table or Computer Program

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P.O. Box 1450

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

ADDRESS TO:

S	See 37 CFR 1.27.			а	a. Computer Readable Form (CRF)					
	pecification	[Total Pages 2	911 3	b	. Spc	cification Sequence Lis	ting on:		33.	55631 203
-71	(preferred arrangement set forth below) - Descriptive title of the Invention				i. CD-ROM or CD-R (2 copies); or					8
- 5	- Cross Reference to Related Applications - Sustament Regarding feel spanneds if & D or Sustament Regarding feel spanneds if & D or a Computer program listing appendin Background of the Investion - Brief Summary of the Investion - Brief Summary of the Investion - Detailed Description - Detailed Description - Detailed Description - Detailed Sustament Sustament Sustament - Detailed Sustament Sustament Sustament - Detailed Sustament Sustament - Sustament Sustament Sustament - Sustament Sustament - Sustament Sustament - Sustam					ії. 🔲 рарег		, g		365
- F				c		Statements verifying identity of above copie			3916 10/6	
- I				ACCOMPANYING APPLICATION PARTS						
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4. 🛛 D	rawing(s) (35	U.S.C. 113) [Total Sheets 0	94_1	10.		37 CFR 3.73(b) States (when there is an assigned	ment	Power of	Attomey	
5. Oath or	Declaration	[Total Pages	<u>3</u> 1	11.		English Translation D	ocument (i	f applicable)		
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		.63(d)(2) and 1.33(b).	sec 37 Cl K	15. Certified Copy of Priority Document(s)						
6. 🛛 Ap	Application Dat	ta Sheet. See 37 CFR 1.76.		١	Ξ	(if foreign priority is clai				
				16.		Nonpublication Request form PTO/SB/35 or its or		S.C. 122 (b)(2)(B)(i). Applican	t must attach
				17.	\boxtimes	Other: Authorization	on under 37	7 C.F.R. § 1.	136(a)(3)	
			i		\boxtimes	Other: The name o	f the assign	nee is: Broad	com Corporation	on
		APPLICATION, check appl heet under 37 CFR 1.76:	ropriate box, and sup	ply th	e requ	isite information below	and in a p	reliminary a	mendment,	
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NAME STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.			Correspondence address nearly							
Attorneys at Law					_					
ADDRESS 1100 New York Avenue, N.W.			_				,			
CITY		Washington STATE		D.		P CODE				
COUNTRY U.S.A. TELEPI		TELEPHONE	(202) 371-2600 FA			tX	(202) 371-2540			
NAME (Print/Type) Jeffrey T. Helvey SIGNATURE Jal Herrey			_	Reg	istration No. (Attorney/	(gent) 4	nt) 44,757			
							Date 9/22/03			
to proce gatherin of time y Office, L	ess) an applications, preparing, and you are required to J.S. Department	ation is required by 37 CFR 1.53 bn. Confidentiality is governed by d submitting the completed applic to complete this form and/or sugg of Commerce, P.O. Box 1450, A Application, Commissioner for	by 35 U.S.C. 122 and 3 cation form to the USP gestions for reducing the Nexandria, VA 22313-1	7 CFF TO. Ti is burd 1450. (R 1.14. me will den, sh DO NO	This collection is estim vary depending upon the ould be sent to the Chief T SEND FEES OR COM	ated to take	e 12 minutes	to complete, in	cluding

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



FEE TRANSMITTAL

for FY 2003 Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

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	Complete if Kn wn				
Application Number	(to be assigned)				
Filing Date	Herewith				
First Named Inventor	Ralph Duncan				
Examiner Name	(to be assigned)				
Art Unit	(to be assigned)				
Attorney Docket No.	1875.138000F				

Applicant claims small entity status. See 37 CFR 1.27	I	Art Unit				(to be assigned)		
TOTAL AMOUNT OF PAYMENT (\$) 750.00	_	Attorney Docket No.				1875.138000F		
METHOD OF PAYMENT (check all that apply)	_	FEE CALCULATION (continued)						
☐ Check ☐ Credit card ☐ Money Order ☐ Other* ☐ None ** Charge any deficiencies or cradit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.	1	3. ADDITIONAL FEES Large Entity Small Entity						
Deposit Account	Fee Code	Fee Fee (\$) Co	Foe de (\$)	•	Fee D	escription	Fee Patd	
Deposit Account Number 19-0036 Deposit Account Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.	1051	130	2051	65	Surch	arge - late filing fee or oath		
The Commissioner is authorized to: (check all that apply)	1502	50	2052	25	Surch			
☐ Charge fee(s) indicated below ☐ Credit any over payments	1053	130	1053	130	Non-E	nglish specification		
Charge any additional fee(s) during the pendency of this application	1812	2,520 920*	1812 1804	2,520 920*		ng a request for ex parte reexamination esting publication of SIR prior to Examine		
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1804				Reque			
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FEE CALCULATION	1253	930	2253	465	Extens	sion for reply within third month		
1. BASIC FILING FEE	1254	1,450	2254	725	Extens	sion for reply within fourth month		
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Fee Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1401	320	2401	160	Notice	of Appeal		
1001 750 2001 375 Utility filing fee \$750.00	1402	320	2402	160	Filing	a brief in support of an appeal		
1002 330 2002 165 Design filing fee	1403	280	2403	140	Reque	est for oral hearing		
1003 520 2003 260 Plant filing fee	1451	1,510	1451	1,510	Petitio	n to institute a public use proceeding		
1004 750 2004 375 Reissue filing fee	1452	110	2452	55	Petitio	n to revive - unavoidable		
1105 160 2005 80 Provisional filing fee	1453	1,300	2453	650	Petitio	n to revive - unintentional	<u> </u>	
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1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))			
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Name (Print/Type) Jeffrey T. Helvey Attorney for Applicants	Regis	tration N	No.		44,757			
Attorney for Applicants	IMITO	(Aftomey/Agent)			_	Date A/-	Date 9/22/13	
Signature Action Date 9/22/03 WARNING: Information for this form may bettern public. Credit card information should not								

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Sentor Counsel
Samuel L. Fox
Kenneth C. Bass III
Lisa A. Dunner

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September 22, 2003

WRITER'S DIRECT NUMBER: (202) 772-8675 INTERNET ADDRESS: JHELVEY@SKGF.COM

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450 Mail Stop Patent Application

Re: U.S. Conti

e: U.S. Continuation Utility Patent Application under 37 C.F.R. § 1.53(b)

(claiming priority to U.S. Patent Appl. No. 10/171,762; filed: June 17, 2002)

Appl. No. (to be assigned); Filed: Herewith

For: An Integrated VCO Having an Improved Tuning Range over Process

and Temperature Variations (as amended)

Inventors:

Ralph Duncan et al. 1875 138000F

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- PTO Fee Transmittal (Form PTO/SB/17);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Continuation Utility Patent Application entitled:

An Integrated VCO Having an Improved Tuning Range over Process and Temperature Variations (as amended)

and naming as inventors:

Ralph Duncan Tom W. Kwan

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- A copy of the executed Supplemental Declaration, as originally filed in U.S. Appl. No. 09/580,014;
- c. A specification containing:
 - i. 204 pages of description prior to the claims;
 - ii. 6 pages of claims (21 claims);
 - iii. a one (1) page abstract; and
- d. 94 sheets of drawings: (Figures 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24A, 24B, 24C, 25, 26, 27, 28A, 28B, 28C, 28D, 28E, 28F, 28G, 28H, 28I, 28I, 28K, 29, 30, 31A, 31B, 31C, 31D, 31E, 31F, 31G, 31H, 31I, 31J, 31K, 31L, 31M, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44A, 44B, 45A, 45B, 45C, 45D, 45E, 45F, 45G, 45H, 45I, 45J, 45K, 46A, 46B, 47A, 47B, 47C, 47D, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69A, 69B, 69C, 69D, 69E, 70, 71, 72, 73, 74, 75, 76, 77, 78A, 78B, 78C and 79, 80,);
- Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 5. A Preliminary Amendment:
- An Information Disclosure Statement (IDS);
- Form PTO-1449 (_3_ pages);
- 8. Two (2) return postcards; and
- 9. PTO-2038 Credit Card Payment Form for \$ 750.00 to cover:

\$_750.00 Filing fee for patent application.

Commissioner for Patents September 22, 2003 Page 3

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey T. Helvey Attorney for Applicants Registration No. 44,757

Jeff Helvey

JTH/agj ::ODMA\MHODMA\SKGF_DC1;179978;1 SKGF Rev. 2/12/02 dcw; 9/5/02 mac; 4/29/03 svb

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ralph Duncan et al.

Appl. No. (to be assigned)

Filed: Herewith

For: An Integrated VCO Having an Improved Tuning Range over

Process and Temperature Variations (as amended) Confirmation No. (to be assigned)

Art Unit: (to be assigned)

Examiner: (to be assigned)

Atty. Docket: 1875.138000F

Authorization To Treat A Reply As Incorporating An Extension Of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

Sir

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey T. Helvey

Attorney for Applicants
Registration No. 44,757

Date: 7 (22/03 1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600 77H/agi

SKGF 1/25/02 mac; 4/18/03 svb